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Serial Number: 10/443283

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Inventor Information for 10/643203

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HARTLEY, JESSE	LINO LAKES	MINNESOTA
DAUM, DOUGLAS R.	OAKDALE	MINNESOTA
LEE, KENT	FRIDLEY	MINNESOTA

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Attorney Docket #	Search
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Back to PALM | ASSIGNMENT | OASIS | Home page

US 20060282131 A1	US- PGPUB	20061214	System for neural control of respiration	607/62	607/72	Caparso; Anthony et al.
US 20060271121 A1	US- PGPUB	20061130	Closed loop impedance- based cardiac resynchronization therapy systems, devices, and methods	607/17	607/9	Ding; Jiang et al.
US 20060271119 A1	US- PGPUB	20061130	Closed loop impedance- based cardiac resynchronization therapy systems, devices, and methods	607/9		Ni; Quan et al.
US 20060271118 A1	US- PGPUB	20061130	Implantable neural stimulator with mode switching	607/9	607/2	Libbus; Imad et al.
US 20060271116 A1	US- PGPUB	20061130	Prediction of thoracic fluid accumulation	607/6		Stahmann; Jeffrey E. et al.
US 20060271108 A1	US- PGPUB	20061130	Safety control system for implantable neural stimulator	607/2		Libbus; Imad et al.
US 20060270939 A1	US- PGPUB	20061130	Systems and methods for multi-axis cardiac vibration measurements	600/528	600/514	Wariar; Ramesh et al.
US 20060264776 A1	US- PGPUB	20061123	Detection of pleural effusion using transthoracic impedance	600/547		Stahmann; Jeffrey E. et al.
US 20060259086 A1	US- PGPUB	20061116	Apparatus and method for optimizing atrioventricular delay	607/9		Yu; Yinghong et al.
US 20060259083 A1	US- PGPUB	20061116	System and method to deliver therapy in presence of another therapy	607/9	607/2	Libbus; Imad et al.
US 20060258952 A1	US- PGPUB	20061116	Enhancements to the detection of pulmonary edema when using transthoracic impedance	600/547	600/483; 600/528; 600/586	Stahmann; Jeffrey E. et al.
US 20060253162 A1	US- PGPUB	20061109	Closed loop cardiac resynchronization therapy using cardiac activation sequence information	607/26		Zhang, Yi et al.
US 20060253157 A1	US- PGPUB	20061109	Method and device for comprehensive anti-tachyarrhythmia therapy	607/14		Libbus, Imad et al.
US 20060253044 A1	US-	20061109	Arrhythmia discrimination	600/512	600/515	Zhang; Yi et

·	PGPUB		using electrocardiograms sensed from multiple implanted electrodes	·	·	al.
US 20060253042 A1	US- PGPUB	20061109	Syncope logbook and method of using same	600/508	607/18	Stahmann; Jeffrey E. et al.
US 20060241725 A1	US- PGPUB	20061026	Method and apparatus for simultaneously presenting cardiac and neural signals	607/60		Libbus; Imad et al.
US 20060241699 A1	US- PGPUB	20061026	Neural stimulation system to prevent simultaneous energy discharges	607/4	607/2	Libbus; Imad et al.
US 20060241697 A1	US- PGPUB	20061026	System to provide neural markers for sensed neural activity	607/2	607/17; 607/9	Libbus; Imad et al.
US 20060241513 A1	US- PGPUB	20061026	Calibration of impedance monitoring of respiratory volumes using thoracic D.C. impedance	600/547		Hatlestad; John et al.
US 20060241512 A1	US- PGPUB	20061026	Thoracic or intracardiac impedance detection with automatic vector selection	600/547	607/28	Kwok; Jonathan et al.
US 20060224198 A1	US- PGPUB	20061005	Electrogram morphology- based CRT optimization	607/9		Dong, Yanting et al.
US 20060212080 A1	US- PGPUB	20060921	Methods and devices for implementing time of day pacing adjustments	607/9		Hartley; Jesse W. et al.
US 20060206156 A1	US- PGPUB	20060914	SAFETY PACING IN MULTI-SITE CRM DEVICES	607/9		Stahmann; Jeffrey E. et al.
US 20060200204 A1	US- PGPUB	20060907	CALIBRATION OF ADAPTIVE-RATE PACING USING INTRINSIC CHRONOTROPIC RESPONSE	607/19	607/9	Daum; Douglas R. et al.
US 20060195151 A1	US- PGPUB	20060831	METHOD AND SYSTEM FOR DISPLAY OF CARDIAC EVENT INTERVALS IN A RESYNCHRONIZATION PACEMAKER	607/30		Vanderlinde; Scott et al.
US 20060195149 A1	US- PGPUB	20060831	Implantable cardiac device with dyspnea measurement	607/11		Hopper; Donald L. et al.

US 20060189877 A1	US- PGPUB	20060824	SYSTEM AND METHOD FOR CORRELATION OF PATIENT HEALTH INFORMATION AND IMPLANT DEVICE DATA	600/523		Kalgren; James et al.
US 20060129197 A1	US- PGPUB	20060615	Atrial capture verification	607/28		Zhang, Geng et al.
US 20060116728 A1	US- PGPUB	20060601	REDUCTION OF INTERACTION WITH TACHYARRHYTHMIA DETECTION BY NEGATIVE OFFSET PACING	607/9		Stahmann; Jeffrey E. et al.
US 20060116593 A1	US- PGPUB	20060601	Cardiac activation sequence monitoring for ischemia detection	600/512		Zhang; Yi et al.
US 20060069322 A1	US- PGPUB	20060330	Cardiac activation sequence monitoring and tracking	600/512		Zhang; Yi et al.
US 20060052830 A1	US- PGPUB	20060309	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/4		Spinelli; Julio C. et al.
US 20060041280 A1	US- PGPUB	20060223	Thoracic impedance detection with blood resistivity compensation	607/17	600/484; 600/547	Stahmann; Jeffrey E. et al.
US 20060036288 A1	US- PGPUB	20060216	Pacer with combined defibrillator tailored for bradycardia patients	607/5		Bocek; Joseph M. et al.
US 20060025827 A1	US- PGPUB	20060202		607/17	600/526; 600/586	Hatlesad; John D. et al.
US 20060009812 A1	US- PGPUB	20060112	Maximum pacing rate limiter implemented using the evoked response - T-wave interval	607/27	607/17	Daum; Douglas R. et al.
US 20060004418 A1	US- PGPUB	20060105	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9		Stahmann; Jeffrey E. et al.
US 20050288729 A1	US- PGPUB	20051229	Coordinated therapy for disordered breathing	607/42		Libbus, Imad et al.

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			including horozoflov			
			including baroreflex modulation			
US 20050288728 A1	US- PGPUB	20051229	Adaptive baroreflex stimulation therapy for disordered breathing	607/42		Libbus, Imad et al.
US 20050288719 A1	US- PGPUB	20051229	Far-field sensing channel for implantable cardiac device	607/9		Zhang, Geng et al.
US 20050288600 A1	US- PGPUB	20051229	Automatic orientation determination for ECG measurements using multiple electrodes	600/510	600/512; 600/515; 607/17	Zhang, Yi et al.
US 20050283197 A1	US- PGPUB	20051222	Systems and methods for hypotension	607/17	607/3; 607/9	Daum, Douglas R. et al.
US 20050256547 A1	US- PGPUB	20051117	Site reversion in cardiac rhythm management	607/27		Stahmann, Jeffrey E. et al.
US 20050251215 A1	US- PGPUB	20051110	Cardiac rhythm management system with defibrillation threshold prediction	607/8	607/28; 607/7.	Dujmovic, Richard Milon JR. et al.
US 20050240236 A1	US- PGPUB	20051027	Implantable medical device with voice responding and recording capacity	607/27		Daum, Douglas R. et al.
US 20050216068 A1	US- PGPUB	20050929	Ectopic beat detection algorithm for implantable cardiac rhythm management device	607/25	600/510	Lee, Kent et al.
US 20050203581 A1	US- PGPUB	20050915	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/9		Spinelli, Julio C. et al.
US 20050197674 A1	US- PGPUB	20050908	Wireless ECG in implantable devices	607/9		McCabe, Aaron et al.
US 20050187594 A1	US- PGPUB	20050825	System and method for transmitting energy to and establishing a communications network with one or more implanted devices	607/61	607/33	Hatlestad, John D.
US 20050187588 A1	US- PGPUB	20050825	System and method for displaying cardiac events	607/27	600/510	Stahmann, Jeffrey E. et. al.
US 20050165453 A1	US-	20050728	Method and apparatus for	607/9		Stahmann,

	PGPUB		maintaining synchronized pacing			Jeffrey E. et al.
US 20050145246 A1	US- PGPUB	20050707	Posture detection system and method	128/203.14	607/17; 607/3	Hartley, Jesse W. et al.
US 20050142070 A1	US- PGPUB	20050630	Methods and systems for assessing pulmonary disease with drug therapy control	424/45	604/890.1	Hartley, Jesse W. et al.
US 20050137629 A1	US- PGPUB	20050623	Trended measurement of cardiac resynchronization therapy	607/9	600/510	Dyjach, John A. et al.
US 20050137626 A1	US- PGPUB	20050623	Drug delivery system and method employing external drug delivery device in conjunction with computer network	607/3	604/891.1	Pastore, Joseph M. et al.
US 20050115561 A1	US- PGPUB	20050602	Patient monitoring, diagnosis, and/or therapy systems and methods	128/200.24	128/204.18; 128/204.23	Stahmann, Jeffrey E. et al.
US 20050113710 A1	US- PGPUB	20050526	Implantable device employing movement sensing for detecting sleep-related disorders	600/534	600/536; 600/546; 600/595	Stahmann, Jeffrey E. et al.
US 20050109339 A1	US- PGPUB	20050526	Respiratory therapy control based on cardiac cycle	128/204.18	128/204.23	Stahmann, Jeffrey E. et al.
US 20050109338 A1	US- PGPUB	20050526	Cardiac pacing controlled via respiration therapy device	128/204.18	128/204.23	Stahmann, Jeffrey E. et al.
US 20050107838 A1	US- PGPUB	20050519	Subcutaneous cardiac rhythm management with disordered breathing detection and treatment	607/17	607/42	Lovett, Eric G. et al.
US 20050085738 A1	US- PGPUB	20050421	Sleep logbook	600/529	600/484; 600/595	Stahmann, Jeffrey E. et al.
US 20050081847 A1	US- PGPUB	20050421	Automatic activation of medical processes	128/200.24	128/204.23; 607/9	Lee, Kent et al.
US 20050080463 A1	US- PGPUB	20050414	System and method for detecting an involuntary muscle movement disorder	607/62	600/546; 600/595; 604/66	Stahmann, Jeffrey E. et al.
US 20050080461 A1	US- PGPUB	20050414	System and method for moderating a therapy delivered during sleep using physiologic data	607/17		Stahmann, Jeffrey E. et al.

	T		acquired during non-sleep			
US 20050080348 A1	US- PGPUB	20050414	Medical event logbook system and method	600/529	600/484	Stahmann, Jeffrey E. et al.
US 20050076909 A1	US- PGPUB	20050414	Synergistic use of medical devices for detecting medical disorders	128/204.23	128/920; 600/300; 607/6; 607/62	Stahmann, Jeffrey E. et al.
US 20050076908 A1	US- PGPUB	20050414	Autonomic arousal detection system and method	128/204.23	600/509; 600/519; 600/529; 600/544; 600/546; 600/547; 607/6;	Lee, Kent et al.
US 20050076905 A1	US- PGPUB	20050414	Use of external respiratory therapy device to detect cardiac electrical activity	128/203.14		Stahmann, Jeffrey E. et al.
US 20050074741 A1	US- PGPUB	20050407	System and method for discrimination of central and obstructive disordered breathing events	434/433		Lee, Kent et al.
US 20050065572 A1	US- PGPUB	20050324	Diagnosis and/or therapy using blood chemistry/expired gas parameter analysis	607/42	607/17, 607/3	Hartley, Jesse W. et al.
US 20050065567 A1	US- PGPUB	20050324	Therapy control based on cardiopulmonary status	607/17	128/204.23	Lee, Kent et al.
US 20050065566 A1	US- PGPUB	20050324	Rate regularization of cardiac pacing for disordered breathing therapy	607/17	·	Hartley, Jesse W. et al.
US 20050065565 A1	US- PGPUB	20050324	System and method for cardiac rhythm management with synchronized pacing protection period	607/9		Kramer, Andrew P. et al.
US 20050065560 A1	US- PGPUB	20050324	Snoring detection system and method	607/6	166	Lee, Kent et al.
US 20050065448 A1	US- PGPUB	20050324	Methods and systems for assessing pulmonary disease	600/529	128/204.23	Stahmann, Jeffrey E. et al.
US 20050065447 A1	US- PGPUB	20050324	System and method for characterizing patient respiration	600/529		Lee, Kent et al.

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US 20050061323 A1	US- PGPUB	20050324	Methods and systems for control of gas therapy	128/204.23	128/204.21	Lee, Kent et al.
US 20050061320 A1	US-	20050324	Coordinated use of	128/204.18	128/204.23	Lee, Kent et
	PGPUB	20030321	respiratory and cardiac therapies for sleep disordered breathing			al.
US 20050061319 A1	US- PGPUB	20050324	Methods and systems for implantably monitoring external breathing therapy	128/204,18	128/204.23	Hartley, Jesse W. et al.
US 20050061315 A1	US- PGPUB	20050324	Feedback system and method for sleep disordered breathing therapy	128/200.24	128/204.21; 128/204.23	Lee, Kent et al.
US 20050049492 A1	US- PGPUB	20050303	Acoustic physiological sensor	600/437		Sweeney, Robert J. et al.
US 20050043772 A1	US- PGPUB	20050224	Therapy triggered by prediction of disordered breathing	607/42		Stahmann, Jeffrey E. et al.
US 20050043644 A1	US- PGPUB	20050224	Prediction of disordered breathing	600/529		Stahmann, Jeffrey E. et al.
US 20050042589 A1	US- PGPUB	20050224	Sleep quality data collection and evaluation	434/262		Hatlestad, John D. et al.
US 20050039745 A1	US- PGPUB	20050224	Adaptive therapy for disordered breathing	128/204.18		Stahmann, Jeffrey E. et al.
US 20050021099 A1	US- PGPUB	20050127	Mode transition timing for synchronized pacing	607/9		Stahmann, Jeffrey E. et al.
US 20050004613 A1	US- PGPUB	20050106	Method and apparatus for adjusting the sensing threshold of a cardiac rhythm management device	607/28		Zhang, Geng et al.
US 20050004610 A1	US- PGPUB	20050106	Cardiac cycle synchronized sampling of impedance signal	607/17		Kim, Jaeho et al.
US 20050004609 A1	US- PGPUB	20050106	Implantable devices and methods using frequency-domain analysis of thoracic signal	607/17		Stahmann, Jeffrey E. et al.
US 20050004606 A1	US- PGPUB	20050106	Safety pacing in multi-site CRM devices	607/9		Stahmann, Jeffrey E. et al.
US 20040243191 A1	US-	20041202	Reduction of left-	607/9		Baker,

	PGPUB		ventricular offset interaction with			Kenneth L. et al.
	·		tachyarrhythmia detection			
US 20040243188 A1	US- PGPUB	20041202	Method and system for display of cardiac event intervals in a resynchronization pacemaker	607/9		Vanderlinde Scott et al.
US 20040243014 A1	US- PGPUB	20041202	Cardiac waveform template creation, maintenance and use	600/510	600/509	Lee, Kent et al.
US 20040230239 A1	US- PGPUB	20041118	Cardiac rhythm management system with staggered pulses for coordination therapy	607/14		Stahmann, Jeffrey E. et al.
US 20040230238 A1	US- PGPUB	20041118	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9	607/17	Stahmann, Jeffrey E. et al.
US 20040230237 A1	US- PGPUB	20041118	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann, Jeffrey E. et al.
US 20040225330 A1	US- PGPUB	20041111	System and method for timing synchronized pacing	607/9		Kramer, Andrew P. e
US 20040215259 A1	US- PGPUB	20041028	Method and apparatus for treating irregular ventricular contractions such as during atrial arrhythmia	607/9		Krig, David B. et al.
US 20040215245 A1	US- PGPUB	20041028	Method and apparatus for delivering defibrillation shock therapy while reducing electrical dispersion due to ventricular conduction	607/5		Stahmann, Jeffrey E. et al.
US 20040172076 A1	US- PGPUB	20040902	disorder Apparatus and method for pacing mode switching during atrial tachyarrhythmias	607/14		Stahmann, Jeffrey E. et al.
US 20040143305 A1	US- PGPUB	20040722	Cardiac rhythm management system providing control of pacing features with a	607/60		Kalgren, James et al

			reduced number of variables			
US 20040138714 A1	US- PGPUB	20040715	Cardiac rhythm management system with defibrillation threshold prediction	607/8	·	Daum, Douglas R. et al.
US 20040133247 A1	US- PGPUB	20040708	Method for ischemia detection by implantable cardiac device	607/17	,	Stahmann, Jeffrey E. et al.
US 20040127948 A1	US- PGPUB	20040701	Reduction of interaction with tachyarrhythmia detection by negative offset pacing	607/14		Stahmann, Jeffrey E. et al.
US 20040127807 A1	US- PGPUB	20040701	Apparatus and method for detecting lung sounds using an implanted device	600/529		Hatlesad, John D. et al.
US 20040122487 A1	US- PGPUB	20040624	Advanced patient management with composite parameter indices	607/60		Hatlestad, John et al.
US 20040122486 A1	US- PGPUB	20040624	Advanced patient management for acquiring, trending and displaying health-related parameters	607/60		Stahmann, Jeffrey E. et al.
US 20040122485 A1	US- PGPUB	20040624	Advanced patient management for reporting multiple health-related parameters	607/60		Stahmann, Jeffrey E. et al.
US 20040122484 A1	US- PGPUB	20040624	Advanced patient management for defining, identifying and using predetermined health- related events	607/60		Hatlestad, John et al.
US 20040122297 A1	US- PGPUB	20040624	Advanced patient management for identifying, displaying and assisting with correlating health-related data	600/300		Stahmann, Jeffrey E. et al.
US 20040122296 A1	US- PGPUB	20040624	Advanced patient management for triaging health-related data	600/300	705/2; 707/104.1	Hatlestad, John et al.
US 20040122295 A1	US- PGPUB	20040624	Advanced patient management for triaging health-related data using color codes	600/300		Hatlestad, John et al.
US 20040122294 A1	US-	20040624	Advanced patient	600/300		Hatlestad,

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	PGPUB		management with			John et al.
		•	environmental data			*
US 20040116820 A1	US- PGPUB	20040617	Respiration signal measurement apparatus, systems, and methods	600/547		Daum, Douglas R. et al.
US 20040111041 A1	US- PGPUB	20040610	Sleep detection using an adjustable threshold	600/544	600/481; 600/529; 607/9	Ni, Quan et al.
US 20040111040 A1	US- PGPUB	20040610	Detection of disordered breathing	600/534		Ni, Quan et al.
US 20040102908 A1	US- PGPUB	20040527	MINUTE VENTILATION SENSOR WITH AUTOMATIC HIGH PASS FILTER ADJUSTMENT	702/45		Larson, Dennis E. et al.
US 20040088016 A1	US- PGPUB	20040506	Rate-adaptive pacemaker with compensation for long-term variations in average exertion level	607/19		Daum, Douglas R. et al.
US 20040082976 A1	US- PGPUB	20040429	System and method for correlation of patient health information and implant device data	607/32		Kalgren, James et al.
US 20040073128 A1	US- PGPUB	20040415	Detection of congestion from monitoring patient response to a recumbent position	600/533		Hatlestad, John et al.
US 20040049237 A1	US- PGPUB	20040311	Minute ventilation sensor with dynamically adjusted excitation current	607/17		Larson, Dennis E. et al.
US 20040015195 A1	US- PGPUB	20040122	Calibration of adaptive- rate pacing using intrinsic chronotropic response	607/17		Daum, Douglas R. et al.
US 20040010295 A1	US- PGPUB	20040115	Apparatus and method for ventricular rate regularization	607/25		Kramer, Andrew P. et al.
US 20030233132 A1	US- PGPUB	20031218	Method and apparatus for detecting oscillations in cardiac rhythm	607/17		Pastore, Joseph M. et al.
US 20030233131 A1	US- PGPUB	20031218	Apparatus and method for ventricular rate regularization	607/9		Kramer, Andrew P. et al.
US 20030220670 A1	US- PGPUB	20031127	System and method for eliminating cross-talk due to far-field signals	607/9		Stahmann, Jeffrey E. et al.
US 20030199937 A1	US-	20031023	Atrial interval based heart	607/25	600/515	Carlson,

	PGPUB		rate variability diagnostic for cardiac rhythm management system			Gerrard M. et al.
US 20030199931 A1	US- PGPUB	20031023	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9	607/25	Stahmann, Jeffrey E. et al.
US 20030195575 A1	US- PGPUB	20031016	System and method for timing synchronized pacing	607/9		Kramer, Andrew P. et
US 20030176894 A1	US- PGPUB	20030918	Site reversion in cardiac rhythm management	607/9		Stahmann, Jeffrey E. et al.
US 20030167081 A1	US- PGPUB	20030904	Coronary sinus lead with thermal sensor and method therefor	607/122		Zhu, Qingsheng et al.
US 20030149454 A1	US- PGPUB	20030807	Method and apparatus for maintaining synchronized pacing	607/25		Stahmann, Jeffrey E. et al.
US 20030149452 A1	US- PGPUB	20030807	Method and apparatus for avoiding unwanted sensing in a cardiac rhythm management device	607/9		Tang, Zhengnian et al.
US 20030135243 A1	US- PGPUB	20030717	Maximum pacing rate limiter implemented using the evoked response -T-wave interval	607/25		Daum, Douglas R. et al.
US 20030120316 A1	US- PGPUB	20030626	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/14		Spinelli, Julio C. et al.
US 20030120315 A1	US- PGPUB	20030626	Apparatus and method for multi-site anti-tachycardia pacing	607/14		Spinelli, Julio C. et al.
US 20030120314 A1	US- PGPUB	20030626	Cardiac rhythm management system with remotely activated capture verification for CHF and other patients	607/9		Warren, Jay A. et al.
US 20030105499 A1	US- PGPUB	20030605	Rate adaptive cardiac rhythm management device using transthoracic impedance	607/17		Hartley, Jesse W. et al.

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US 20030105497 A1	US- PGPUB	20030605	Implantable cardiac disease management device with trigger-stored polysomnogram and phonocardiogram	607/17	Zhu, Qingsheng et al.
US 20030097155 A1	US- PGPUB	20030522	Triggered storage of diagnostic data associated with compromised resynchronization therapy	607/9	Stahmann, Jeffrey E. et al.
US 20030093123 A1	US- PGPUB	20030515	Pace counter isolation for cardiac resynchronization pacing	607/9	Stahmann, Jeffrey E. et al:
US 20030083704 A1	US- PGPUB	20030501	Reduction of left- ventricular offset interaction with tachyarrhythmia detection	607/14	Baker, Kenneth L. et al.
US 20030069610 A1	US- PGPUB	20030410	Apparatus and method for ventricular rate regularization with biventricular sensing	607/25	Kramer, Andrew P. et al.
US 20030069607 A1	US- PGPUB	20030410	Safety pacing in multi-site CRM devices	607/9	Stahmann, Jeffrey E. et al.
US 20030055461 A1	US- PGPUB	20030320	Cardiac rhythm management systems and methods predicting congestive heart failure status	607/17	Girouard, Steven D. et al.
US 20030028222 A1	US- PGPUB	20030206	System and method for cardiac rhythm management with dynamically adjusted synchronized chamber pacing protection period	607/9	Stahmann, Jeffrey E.
US 20030019322 A1	US- PGPUB	20030130	Adjustable ramp helix	74/567	Lee, Kent
US 20030004551 A1	US- PGPUB	20030102	Cardiac rhythm management system with atrial shock timing optimization	607/14	Chen, Victor T. et al.
US 20030004550 A1	US- PGPUB	20030102	Mode transition timing for synchronized pacing	607/9	Stahmann, Jeffrey E. et al.
US 20020193847 A1	US- PGPUB	20021219	Implantable medical device with voice responding and recording	607/60	Daum, Douglas R. et al.

,			capacity			
US 20020165587 A1	US- PGPUB	20021107	Method and apparatus for adjusting the sensing threshold of a cardiac rhythm management device	607/28		Zhang, Geng et al.
US 20020161310 A1	US- PGPUB	20021031	Implantable medical device employing single drive, dual sense impedance measuring	600/547		Daum, Douglas R.
US 20020151777 A1	US- PGPUB	20021017	TRANSMYOCARDIAL REVASCULARIZATION USING ULTRASOUND	600/407	600/439	Hynynen, Kullervo et al.
US 20020147476 A1	US- PGPUB	20021010	Cardiac rhythm management system adjusting rate response factor for treating hypotension	607/17		Daum, Douglas R.
US 20020147475 A1	US- PGPUB	20021010	Cardiac rhythm management system for hypotension	607/17		Scheiner, Avram et al.
US 20020147469 A1	US- PGPUB	20021010	Device and method for ventricular tracking and pacing	607/9		Kramer, Andrew P. et al.
US 20020133206 A1	US- PGPUB	20020919	Cardiac rhythm management system with defibrillation threshold prediction	607/14		Daum, Douglas R. et al.
US 20020128564 A1	US- PGPUB	20020912	Atrial interval based heart rate variability diagnostic for cardiac rhythm management system	600/509		Carlson, Gerrard M. et al.
US 20020120311 A1	US- PGPUB	20020829	Expert system and method	607/72		Lindh, Par et al.
US 20020120298 A1	US- PGPUB	20020829	Apparatus and method for ventricular rate regularization	607/5		Kramer, Andrew P. et al.
US 20020107551 A1	US- PGPUB	20020808	Pacing and sensing vectors	607/9		Stahmann, Jeffrey E. et al.
US 20020087198 A1	US- PGPUB	20020704	Apparatus and method for ventricular rate regularization	607/9		Kramer, Andrew P. et al.
US 20020082663 A1	US- PGPUB	20020627	Pace counter isolation for cardiac resynchronization pacing	607/27		Stahmann, Jeffrey E. et al.

US 20020082662 A1	US- PGPUB	20020627	Method and apparatus for display of ventricular electrograms	607/27	Vanderlinde, Scott et al.
US 20020082660 A1	US- PGPUB	20020627	Apparatus and method for pacing mode switching during atrial tachyarrhythmias	607/14	Stahmann, Jeffrey E. et al.
US 20020082659 A1	US- PGPUB	20020627	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9	Stahmann, Jeffrey E. et al.
US 20020082657 A1	US- PGPUB	20020627	MODE TRANSITION TIMING FOR SYNCHRONIZED PACING	607/9	Stahmann, Jeffrey E. et al.
US 20020082656 A1	US- PGPUB	20020627	Method and apparatus for maintaining synchronized pacing	607/9	Stahmann, Jeffrey E. et al.
US 20020082655 A1	US- PGPUB	20020627	System and method for cardiac rhythm management with synchronized pacing protection period	607/9	Kramer, Andrew P. et al.
US 20020082654 A1	US- PGPUB	20020627	System and method for timing synchronized pacing	607/9	Kramer, Andrew P. et al.
US 20020082653 A1	US- PGPUB	20020627	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9	Stahmann, Jeffrey E. et al.
US 20020082652 A1	US- PGPUB	20020627	METHOD FOR COLLECTION OF BIVENTRICULAR HISTOGRAMS	607/9	Wentkowski, Rene H. et al.
US 20020082651 A1	US- PGPUB	20020627	Pacing and sensing vectors	607/9	Stahmann, Jeffrey E. et al.
US 20020082650 A1	US- PGPUB	20020627	System and method for eliminating cross-talk due to far-field signals	607/9	Stahmann, Jeffrey E. et al.
US 20020082649 A1	US- PGPUB	20020627	Safety pacing in multi-site CRM devices	607/9	Stahmann, Jeffrey E. et al.
US 20020082648 A1	US-	20020627	Apparatus and method for	607/9	Kramer,

	PGPUB		ventricular rate regularization with			Andrew P. et al.
			biventricular sensing			
US 20020082509 A1	US- PGPUB	20020627	Method and system for display of cardiac event intervals in a resynchronization pacemaker	600/510		Vanderlinde, Scott et al.
US 20020077859 A1	US- PGPUB	20020620	System and method for displaying cardiac events	705/3		Stahmann, Jeffrey E. et al.
US 20020077668 A1	US- PGPUB	20020620	Cardiac rhythm management system providing control of pacing features with a reduced number of variables	607/9		Kalgren, James et al.
US 20020077562 A1	US- PGPUB	20020620	System and method for correlation of patient health information and implant device data	600/510		Kalgren, James et al.
US 20020068959 A1	US- PGPUB	20020606	Cardiac rhythm management system with remotely activated capture verification for CHF and other patients	607/28		Warren, Jay A. et al.
US 20010016759 A1	US- PGPUB	20010823	System providing ventricular pacing and biventricular coordination	607/9		Kramer, Andrew P. et al.
US 7142918 B2	USPAT	20061128	Apparatus and method for pacing mode switching during atrial tachyarrhythmias	607/15	607/25; 607/9	Stahmann; Jeffrey E. et al.
US 7142915 B2	USPAT	20061128	Apparatus and method for ventricular rate regularization	607/9		Kramer; Andrew P. et al.
US 7142914 B2	USPAT	20061128	Mode transition timing for synchronized pacing	607/9		Stahmann; Jeffrey E. et al.
US 7130688 B2	USPAT	20061031	Pace counter isolation for cardiac resynchronization pacing	607/27	607/9	Stahmann; Jeffrey E. et al.
US 7130682 B2	USPAT	20061031	Pacing and sensing vectors	607/9		Stahmann; Jeffrey E. et al.
US 7127291 B2	USPAT	20061024	Coronary sinus lead with	607/21	607/122	Zhu;

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			therefor	605/15	600/515	al.
US 7127290 B2	USPAT	20061024	Cardiac rhythm management systems and methods predicting congestive heart failure status	607/17	600/515	Girouard; Steven D. et al.
US 7120494 B2	USPAT	20061010	System and method for eliminating cross-talk due to far-field signals	607/9		Stahmann; Jeffrey E. et al.
US 7120490 B2	USPAT	20061010	Cardiac rhythm management system with atrial shock timing optimization	607/4	607/14	Chen; Victor T. et al.
US 7110816 B2	USPAT	20060919	Reduction of left- ventricular offset interaction with tachyarrhythmia detection	607/14		Baker; Kenneth L. et al.
US 7101339 B2	USPAT	20060905	Respiration signal measurement apparatus, systems, and methods	600/529	600/508	Daum; Douglas R. et al.
US 7092757 B2	USPAT	20060815	Minute ventilation sensor with dynamically adjusted excitation current	607/17	607/18; 607/24	Larson; Dennis E. et al.
US 7062325 B1	USPAT	20060613	Method and apparatus for treating irregular ventricular contractions such as during atrial arrhythmia	607/14	607/4	Krig; David B. et al.
US 7058449 B2	USPAT	20060606	Safety pacing in multi-site CRM devices	607/17	607/18; 607/9	Stahmann; Jeffrey E. et al.
US 7050854 B2	USPAT	20060523	Calibration of adaptive- rate pacing using intrinsic chronotropic response	607/17	607/19	Daum; Douglas R. et al.
US 7047066 B2	USPAT	20060516	Method and system for display of cardiac event intervals in a resynchronization pacemaker	600/510	600/523	Vanderlinde; Scott et al.
US 7047065 B2	USPAT	20060516	System and method for correlation of patient health information and implant device data	600/510		Kalgren; James et al
US 7039462 B2	USPAT	20060502	Method and apparatus for detecting oscillations in	607/14	600/547; 607/24	Pastore; Joseph M. et

			cardiac rhythm			al.
US 7016732 B2	USPAT	20060321	Cardiac rhythm management system with remotely activated capture verification for CHF and other patients	607/28	600/510; 607/27; 607/32	Warren; Jay A. et al.
US 7016729 B2	USPAT	20060321	Reduction of interaction with tachyarrhythmia detection by negative offset pacing	607/14	607/9	Stahmann; Jeffrey E. et al.
US 7003347 B2	USPAT	20060221	System and method for cardiac rhythm management with dynamically adjusted synchronized chamber pacing protection period	607/9	607/14; 607/25; 607/4	Stahmann; Jeffrey E.
US 6988002 B2	USPAT	20060117	Apparatus and method for ventricular rate regularization with biventricular sensing	607/18	607/19; 607/25	Kramer; Andrew P. et al.
US 6963778 B2	USPAT	20051108	Maximum pacing rate limiter implemented using the evoked response-T-wave interval	607/25		Daum; Douglas R. et al.
US 6963774 B2	USPAT	20051108	Safety pacing in multi-site CRM devices	607/9	607/18	Stahmann; Jeffrey E. et al.
US 6957100 B2	USPAT	20051018	Method and system for display of cardiac event intervals in a resynchronization pacemaker	600/510	600/523	Vanderlinde; Scott et al.
US 6949075 B2	USPAT	20050927	Apparatus and method for detecting lung sounds using an implanted device	600/586	600/300; 600/529; 607/9	Hatlesad; John D. et al.
US 6944499 B2	USPAT	20050913	Method and apparatus for avoiding unwanted sensing in a cardiac rhythm management device	607/9		Tang; Zhengnian et
US 6941167 B2	USPAT	20050906	System and method for displaying cardiac events	600/523	607/2; 607/27; 607/30	Stahmann; Jeffrey E. et al.
US 6922589 B2	USPAT	20050726	Site reversion in cardiac rhythm management	607/27	607/28	Stahmann; Jeffrey E. et al.

US 6912420 B2	USPAT	20050628	Cardiac rhythm management system for hypotension	607/17		Scheiner; Avram et al.
US 6909916 B2	USPAT	20050621	Cardiac rhythm management system with arrhythmia classification and electrode selection	607/9	600/515; 600/518; 607/14	Spinelli; Julio C. et al.
US 6907289 B2	USPAT	20050614	Triggered storage of diagnostic data associated with compromised resynchronization therapy	607/27	607/9	Stahmann; Jeffrey E. et al.
US 6907288 B2	USPAT	20050614	Cardiac rhythm management system adjusting rate response factor for treating hypotension	607/17		Daum; Douglas R.
US 6885890 B2	USPAT	20050426	Apparatus and method for multi-site anti-tachycardia pacing	607/14		Spinelli; Julio C. et al.
US 6871095 B2	USPAT	20050322	Method and apparatus for maintaining synchronized pacing	607/9		Stahmann; Jeffrey E. et al.
US 6868346 B2	USPAT	20050315	Minute ventilation sensor with automatic high pass filter adjustment	702/45		Larson; Dennis E. et al.
US 6865424 B2	USPAT	20050308	Implantable medical device with voice responding and recording capacity	607/62	600/586	Daum; Douglas R. et al.
US 6859664 B2	USPAT	20050222	Cardiac rhythm management system with defibrillation threshold prediction	607/8	607/5	Daum; Douglas R. et al.
US 6829505 B2	USPAT	20041207	System and method for cardiac rhythm management with synchronized pacing protection period	607/9		Kramer; Andrew P. et al.
US 6810287 B2	USPAT	20041026	Implantable cardiac disease management device with trigger-stored polysomnogram and phonocardiogram	607/17		Zhu, Qingsheng et al.
US 6795734 B2	USPAT	20040921	Method and apparatus for display of ventricular electrograms	607/27	600/509; 600/518; 600/523;	Vanderlinde; Scott et al.

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					607/19; 607/25; 607/31; 607/63	
US 6772009 B2	USPAT	20040803	Method and apparatus for adjusting the sensing threshold of a cardiac rhythm management device	607/9	607/28	Zhang; Geng et al.
US 6760623 B2	USPAT	20040706	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann; Jeffrey E. et al.
US 6757562 B2	USPAT	20040629	Reduction of left- ventricular offset interaction with tachyarrhythmia detection	607/14		Baker; Kenneth L. et al.
US 6751502 B2	USPAT	20040615	Cardiac rhythm management system with defibrillation threshold prediction	607/8	607/5	Daum; Douglas R. et al.
US 6748272 B2	USPAT	20040608	Atrial interval based heart rate variability diagnostic for cardiac rhythm management system	607/14	600/508; 600/515; 607/9	Carlson, Gerrard M. et al.
US 6684101 B2	USPAT	20040127	Implantable medical device employing single drive, dual sense impedance measuring	600/547	600/483, 600/484	Daum; Douglas R.
US 6665558 B2	USPAT	20031216	System and method for correlation of patient health information and implant device data	600/510	607/30, 607/31; 607/59	Kalgren; James et al.
US 6618618 B2	USPAT	20030909	Cardiac rhythm management system providing control of pacing features with a reduced number of variables	607/9	607/30	Kalgren; James et al.
US 6574506 B2	USPAT	20030603	System and method for timing synchronized pacing	607/9	607/15	Kramer; Andrew P. et al.
US 6564100 B2	USPAT	20030513	Cardiac rhythm management system with remotely activated capture verification for CHF and	607/28		Warren; Jay A. et al.

			other patients		*	
US 6553258 B2	USPAT	20030422	System and method for managing refractory periods in a cardiac rhythm management device with biventricular sensing	607/9	607/15	Stahmann; Jeffrey E. et al.
US 6522921 B2	USPAT	20030218	System and method for eliminating cross-talk due to far-field signals	607/9		Stahmann; Jeffrey E. et al.
US 6512952 B2	USPAT	20030128	Method and apparatus for maintaining synchronized pacing	607/9		Stahmann; Jeffrey E. et al.
US 6511444 B2	USPAT	20030128	Transmyocardial revascularization using ultrasound	601/2		Hynynen; Kullervo et al.
US 6502479 B1	USPAT	20030107	Adjustable ramp helix	74/568R	474/11; 474/19	Lee; Kent
US 6501988 B2	USPAT	20021231	Apparatus and method for ventricular rate regularization with biventricular sensing	607/9	607/25	Kramer; Andrew P. et al.
US 6493586 B1	USPAT	20021210	Site reversion in cardiac rhythm management	607/27	607/28	Stahmann; Jeffrey E. et al.
US 6480742 B2	USPAT	20021112	Pace counter isolation for cardiac resynchronization pacing	607/27	607/15	Stahmann; Jeffrey E. et al.
US 6480740 B2	USPAT	20021112	Safety pacing in multi-site CRM devices	607/9	607/25	Stahmann; Jeffrey E. et al.
US 6463326 B1	USPAT	20021008	Rate adaptive cardiac rhythm management device using transthoracic impedance	607/20	600/547; 607/28; 607/62	Hartley; Jesse W. et al.
US 6459929 B1	USPAT	20021001	Implantable cardiac rhythm management device for assessing status of CHF patients	600/513	600/510; 607/18; 607/20	Hopper, Donald L. et al.
US 6453201 B1	USPAT	20020917	Implantable medical device with voice responding and recording capacity	607/62	600/586	Daum; Douglas R. et al.
US 6438421 B1	USPAT	20020820	Mode transition timing for synchronized pacing	607/9		Stahmann; Jeffrey E. et al.

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US 6430439 B1	USPAT	20020806	Method for collection of biventricular histograms	607/9		Wentkowski, Rene H. et al.
US 6430 <u>438</u> B1	USPAT	20020806	Cardiac rhythm management system with atrial shock timing optimization	607/5		Chen; Victor T. et al.
US 6418343 B1	USPAT	20020709	Method and apparatus for adjusting the sensing threshold of a cardiac rhythm management device	607/9	607/28	Zhang, Geng et al.
US 6415180 B1	USPAT	20020702	Device and method for ventricular tracking and pacing	607/9		Kramer; Andrew P. et al.
US 6411848 B1	USPAT	20020625	System providing ventricular pacing and biventricular coordination	607/9	607/25	Kramer; Andrew P. et al.
US 6363278 B1	USPAT	20020326	Cardiac rhythm management system with staggered pulses for coordination therapy	607/9		Stahmann; Jeffrey E. et al.
US 6353759 B1	USPAT	20020305	Cardiac rhythm management system promoting a trial pacing	607/9		Hartley; Jesse W. et al.
US 6351669 B1	USPAT	20020226	Cardiac rhythm management system promoting atrial pacing	607/5		Hartley; Jesse W. et al.
US 6285907 B1	USPAT	20010904	System providing ventricular pacing and biventricular coordination	607/9	607/25	Kramer; Andrew P. et al.
US 6275727 B1	USPAT	20010814	Implantable cardiac rhythm management device for assessing status of CHF patients	600/513	607/17; 607/18; 607/20	Hopper; Donald L. et al.
US 6161042 A	USPAT	20001212	Rate adaptive cardiac rhythm management device using transthoracic impedance	607/20	600/547; 607/28	Hartley; Jesse W. et al.
US 6076015 A	USPAT	20000613	Rate adaptive cardiac rhythm management device using transthoracic impedance	607/20	600/547; 607/28; 607/62	Hartley, Jesse W. et al.
US 6049735 A	USPAT	20000411	Cardiac rhythm management device with detection and therapy for	607/9		Hartley; Jesse W. et al.

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	· ·		sudden syncopal events			
US 6029086 A	USPAT	20000222	Automatic threshold sensitivity adjustment for cardiac rhythm management devices	607/9		Kim; Jungkuk et al.
US 5957857 A	USPAT	19990928	Apparatus and method for automatic sensing threshold determination in cardiac pacemakers	600/521	600/509, 600/517, 607/9	Hartley; Jesse W.
US 5875870 A	USPAT	19990302	Escape ladder system	182/70	182/74; 182/95	Lee; Kenten
US 5862817 A	USPAT	19990126	Two-in-one tooth brush unit	132/311	132/309, 132/314, 15/167.1, 401/123, 401/268	Lee; Kenten
US 5862377 A	USPAT	19990119	Technique for sharing information between applications	719/329	719/313	Lee; Kenton F. W.
US 5785147 A	USPAT	19980728	Escape ladder structural improvement	182/70	182/76; 182/84	Lee; Kenten
US 5661817 A	USPAT	19970826	Single charge-coupled- device camera for detection and differentiation of desired objects from undesired objects	382/110	348/144; 348/164; 348/273; 382/164	Hatlestad; John David et al.
US 5621460 A	USPAT	19970415	Optical differentiation between plants and background utilizing a single CCD camera	348/265	348/337	Hatlestad; John D. et al.
US 5555464 A	USPAT	19960910	Red/near-infrared filtering for CCD cameras	348/266	348/273; 348/280	Hatlestad; John D.
US 5413593 A	USPAT	19950509	Using sub-threshold unipolar pacing markers to improve the interpretation of surface EKG in pacemaker patients	607/27	607/36	Spinelli; Julio C. et al.
US 5376106 A	USPAT	19941227	Multi-sensor blending in a rate responsive cardiac pacemaker	607/18		Stahmann; Jeffrey E. et al.
US 5343204 A	USPAT	19940830	Auto-focusing correction for rotational acceleration effects on inverse synthetic aperture radar images	342/25F	342/195	Farmer; Michael E. et al.

US D269563 S	USPAT	19830705	Self defense key ring	D3/208	Lee; Kent H.
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